you can: She ſpoke very briskly, after ſhe was put to Bed. But the Mill wheel had tore away all the Shin, Muſcles, Sinews, and Tendons, of her Leg, quite to the Bone, and ſtriot them down to her Heel; beſides, the Shuttle was drawn up and let down upon the Small of her Back ſeveral times. The Child lived from *Monday* till *Friday*, and then died of her Wounds and Bruiſes; otherwiſe, in all Appearance, ſhe might have lived to have made a fine Woman. The whole Time of her being under Water (and that at the Depth of four Feet and an half) was near 15 Minutes. *Atteſted by*

John Bailey, *Miller.*
Rebecca Yates, *the Mother.*
The Mark + of Grace Cooper,
the Miller's Maid.

IV. *The Caſe of Mr.* . . . . Cox, *Surgeon at* Peterborough, *who fell into a* Peſtilential Fever, *upon Tapping a* Corpſe *lately dead of an* Hydropſy, *drawn up by himſelf, and read before the* Peterborough Society, Sept. 1. 1736. *communicated to the* ROYAL SOCIETY *by the Rev^d Mr.* Tim. Neve, *Sec. Soc.* Petroburg.

AN elderly Gentlewoman, labouring of a Dropſy about 12 Months, underwent the Operation of Tapping four ſeveral times, by which 35 Quarts of

of Liquor were diſcharged; and dying at laſt of the ſame Diſtemper, I was deſired by her Friends to let out the Water that was then contain'd in the *Abdomen*, as well to preſerve the Corpſe the longer from Putrefaction, as to prevent an Annoyance to the Company at the time of her Funeral.——Yet notwithſtanding this was done within a few Hours after Death, the included Humours were arriv'd to ſuch a Pitch of Putrefaction, as to diſcolour the external Parts with a green and livid Hue.——The Liquor itſelf was green, and ſomewhat thicker than new Milk, in Smell more fetid and offenſive than what I ever met with, and ſo ſharp and acrimonious in its Nature, as deeply to corrode a ſilver Canula, through which it paſſed.——And what ſhew'd it to be highly malignant, may be judged of from the following Circumſtances.

The Night after the Operation, I was ſomewhat reſtleſs and uneaſy, and the next Day afflicted with ſmall Tremors, and an unuſual Laſſitude; in about three Days after, ſeveral angry Puſtles aroſe upon my Hands and Fingers, and I believe on every Place where the leaſt Drop of Water fell; ſome of which coming to Matter, went off ſoon; thoſe which did not, continued painful, and remained much longer. ——The Thumb of my Right Hand, and middle Finger of my other, were affected more ſeverely than any other Part, the Pain more exquiſite, the Swelling more hard and large, and of a red dusky Complexion. This was about the 6th Day of my Illneſs, and altho' the ſtrongeſt Suppuratives were made uſe of, yet they fail'd of the deſir'd Succeſs, the Pains being continual.——Being perſuaded from the great Pulſation

and heavy Pains I underwent, that Matter muſt lodge either under or upon the *Perioſteum*, an Inciſion was made to the Bone, by which only two or three Drops of Matter were diſcharged.——'Twas expected this ſmall Diſcharge might in ſome meaſure mitigate my Pain, but it did not; the ſame Evening, that Pain I at firſt complain'd of was changed into univerſal Convulſions, and the Oppreſſion upon my Vitals ſo great, as to threaten immediate Death.

The Intentions of Cure (which were ſtrictly attended to, by my ingenious Friend Dr. *Charles Balguy*) were to fortify the Heart with Cordials, to enable it to reſiſt and throw out the Malignity, and to bring the Sores to a plentiful Digeſtion.

The firſt was treated with the higheſt Alexipharmacs, the latter, as at firſt, with ſtrong Suppuratives: This being about the eighth Day of my Illneſs, and the Convulſions continuing, with an unequal and low Pulſe, and as there was little Appearance of Matter, Bliſters were plentifully applied, as near to the Parts affected as poſſible, in order to make a Revulſion from the Heart, and throw off the morbid Matter by the Wounds. In about three Days this Point was gain'd, the Convulſions began to abate, and the Wounds digeſt; in four more, I found a Ceſſation of Symptoms, except a Faintneſs and Lowneſs of Spirits, which hung upon me for a great while after, which peſtilential Fevers (as this was judged one in an high Degree) are known always to leave behind them.

I ſuppoſe I might receive this Infection as much by Inſpiration as Contact; for ſome of my Aſſiſtants, who were in the Room only, and never touched one Drop of the Liquor, found themſelves much diſorder'd,

der'd, and afterwards broke out with red and livid Eruptions; which ſufficiently ſhew'd, that not only the Liquor itſelf, but the *Effluvia* too, were in the higheſt Degree ſubtle and malignant.

V. *The* Variation *of the* Magnetic Needle, *as obſerved in Three Voyages from* London *to* Maryland, *by* Walter Hoxton.

N. B. The Longitude is reckon'd from the *Lizard*.

The Firſt Voyage 1732.

Latitude. North.		Longitude. Weſt.		Variation. Weſt.		
°	′	°	′	°	′	
39	53	27	16	12		In Sight of the Iſland *Corvo*. Difference of Longitude from it 35 Minutes Weſt.
37	49	27	45	14		
35	19	39	20	13		
32	40	50	27	8		
34	40	56		6	30	
35	4	65		4	28	
36	50			4	42	Diſtance from Cape *Henry* ſeven Leagues.
				4	58	In the Bay of *Cheſepeack*, three Miles below the Mouth of *Potomack* River.
				4	47	Off the Mouth of *Potuxon* River.

Return.